

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

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“Step Out From the Old to the New”

IS 10327 (1982): Bender, Plaster, Bohler's Pattern [MHD 2: Orthopaedic Instruments, Implants and Accessories]



“ज्ञान से एक नये भारत का निर्माण”

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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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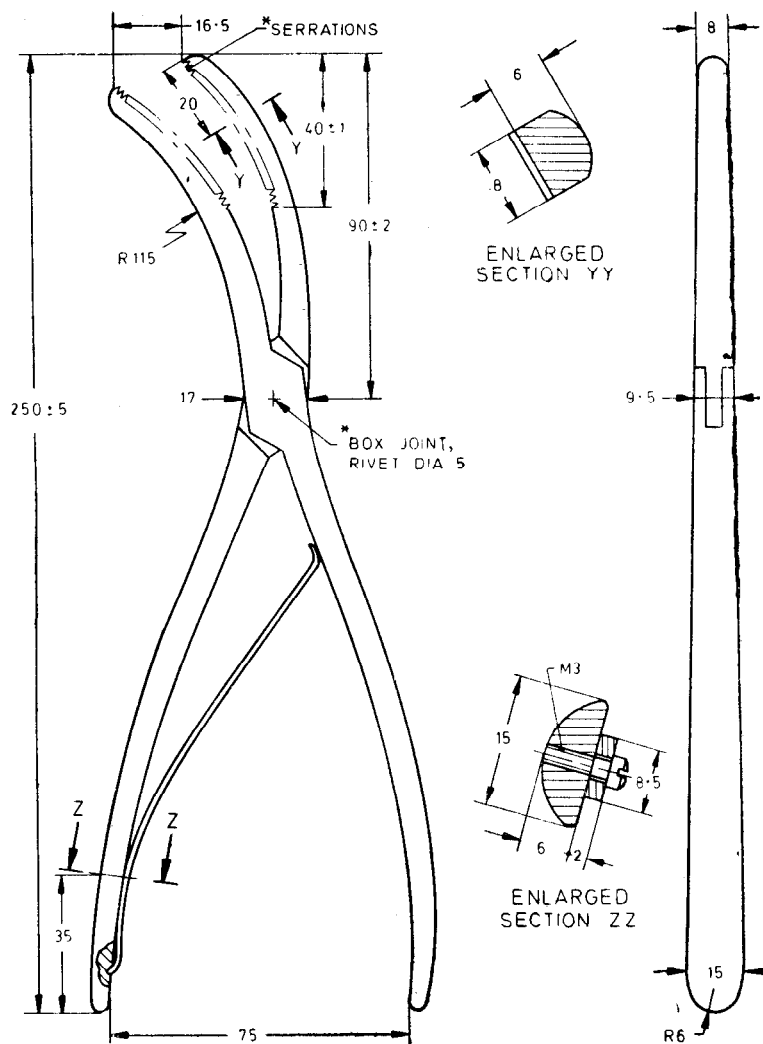


Indian Standard

SPECIFICATION FOR BENDER, PLASTER, BOHLER'S PATTERN

1. Scope — Dimensional and other requirements for Bohler's pattern plaster bender used for bending the plaster cast applied to patients.

2. Shape and Dimension — As shown in Fig. 1.



*See IS : 3642-1978 'General requirements for surgical instruments (first revision)'.

All dimensions in millimetres.

FIG. 1 BENDER, PLASTER BOHLER'S PATTERN

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions where otherwise not specified.

3. Material

3.1 Arms — Stainless steel conforming to designation 30Cr13 or 40Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

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3.2 Spring — Stainless steel conforming to designation 30Cr13 of IS : 6603-1972.

3.3 Screws — Stainless steel conforming to designation 20Cr13 of IS : 6603-1972.

4. Workmanship and Finish

4.1 Bender shall be free from rough edges, pits, burrs, cracks and blemish of any kind.

4.2 Serrations for holding the plaster shall be suitably made and shall be clear and clean.

4.3 When bender is closed, the jaws shall meet evenly.

4.4 Joints shall have no undue play and shall function smoothly.

4.5 Spring action shall be smooth. It shall neither be too hard nor too slack.

4.6 All edges except serration shall be rounded.

4.7 Bender shall be finished smooth and passivated.

5. Heat Treatment — The arms shall be evenly hardened and tempered to 430 to 500 *HV*, the spring to 380 to 420 *HV* and screws to 290 to 320 *HV*.

6. Tests

6.1 Load Closer Test — Apply a compressive force of 15 ± 2 N at the ends of the handles. The jaws shall meet evenly.

6.2 Corrosion Resistance Test — Test the bender in accordance with IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'. The bender shall show no sign of corrosion after the test.

7. Marking — The bender shall be marked with the manufacturer's name, initials or recognized trade-mark and the latter 'SS'.

7.1 ISI Certification Mark — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.